***COMPLETE IN NOTEBOOK! COPY ALL FIGURES!***

CW24: Classifying Triangles

**Geometry**

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| You will be able to identify and explain characteristics of triangles of different types of triangles(Acute, Obtuse, Right, Scalene, Isosceles, Equilateral) | | |
| Criteria for Success: Did you…   * Identify congruent sides or angles | | |
| 1) Classify the triangle by its sides. | 2) Classify the triangle by its angles. | |
| Directions: Find the value of x based on the markings of the triangle and the given angle measures. | | |
| Criteria for Success: Did you…   * Classify the triangle * Set up an equation to find the missing value * Input the given value for the correct unknown * Solve * Examine your answer: Did you answer the question? Does your answer make sense? | | |
| ../../../../../Desktop/Screen%20Shot%202015-11-15%20at%203.37.30%20PM | | ../../../../../Desktop/Screen%20Shot%202015-11-15%20at%203.37.27%20PM |
| **../../../../../Desktop/Screen%20Shot%202015-11-15%20at%203.37.22%20PM** | | ../../../../../Desktop/Screen%20Shot%202015-11-15%20at%203.37.15%20PM |

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| Directions: Find the value of x based on the markings of the triangle and the given angle measures. | |
| Criteria for Success: Did you…   * Classify the triangle * Set up an equation to find the missing value * Input the given value for the correct unknown * Solve * Examine your answer: Did you answer the question? Does your answer make sense? | |
| **../../../../../Desktop/Screen%20Shot%202015-11-15%20at%203.40.12%20PM** | ../../../../../Desktop/Screen%20Shot%202015-11-15%20at%203.40.21%20PM |
| **../../../../../Desktop/Screen%20Shot%202015-11-15%20at%203.40.26%20PM** | ../../../../../Desktop/Screen%20Shot%202015-11-15%20at%203.40.30%20PM |
| Directions: Solve for the missing angle measure | |
| **../../../../../Desktop/Screen%20Shot%202015-11-15%20at%203.44.57%20PM** | ../../../../../Desktop/Screen%20Shot%202015-11-15%20at%203.45.08%20PM |
| **../../../../../Desktop/Screen%20Shot%202015-11-15%20at%203.48.37%20PM** | **../../../../../Desktop/Screen%20Shot%202015-11-15%20at%203.48.04%20PM** |

Challenge Problems

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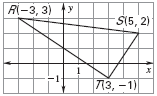
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1. Classify RST by its sides. Then determine if it is a right triangle.



1. Graph the given triangle and classify it by its sides. Then determine if it is a right triangle.
2. *A*(3, l), *B*(3,4), *C*(7, 1)
3. *A*(2, 2), *B*(6, 2), *C*(4, 8)p